CLAIMS ONLY

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT			☆		☆		☆	
	IND.	DEP.	IND.	DEP.	IND.	DEP.		IND.	DEP.	IND.	DEP.	IND.	DEP.
740							790						
741							791						
742							792						
743							793						
744							794						
745							795						
746							796						
747							797						
748							798						
749							799						
750							800						
751							801						
752							802						
753							803						
754							804						
755							805						
756							806						
757							807						
758							808						
759							809						
760							810						
761							811						
762							812						
763							813						
764							814						
765							815						
766							816						
767							817						
768							818						
769							819						
770							820						
771							821						
772							822						
773							823						
774							824						
775							825						
776							826						
777							827						
778							828						
779							829						
780							830						
781													
782													
783													
784													
785													
786													
787													
788													
789													
TOTAL IND.		⇩		⇩		⇩	TOTAL IND.		⇩		⇩		⇩
TOTAL DEP.		⇦				⇦	TOTAL DEP.		⇦		⇦		⇦
TOTAL CLAIMS							TOTAL CLAIMS						

☆ *MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS*

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT			☆		☆		☆	

CLAIMS ONLY

CLAIMS ONLY		SERIAL NO.		FILING DATE
		APPLICANT(S)		

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT			☆		☆		☆	
	IND.	DEP.	IND.	DEP.	IND.	DEP.		IND.	DEP.	IND.	DEP.	IND.	DEP.
641							691						
642							692						
(643)							693						
644							694						
645							695						
646							696						
647							697						
648							698						
649							699						
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654							(704)						
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657							707						
658							708						
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662							712						
663							713						
664							714						
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667							716						
668							717						
669							718						
670							719						
671							720						
672							721						
673							722-23						
674							723						
675							724						
676							725						
677							726						
678							727						
679							728						
680							729						
681							730						
682							731						
683							732						
684							733						
685							734						
686							735						
687							736						
688							737						
689							738						
690							739						
TOTAL IND.		⇦		⇦		⇦	TOTAL IND.		⇦		⇦		⇦
TOTAL DEP.							TOTAL DEP.						
TOTAL CLAIMS							TOTAL CLAIMS						

*MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

FORM PTO-2022 (1-98)

U.S.DEPARTMENT OF COMMERCE
Patent and Trademark Office

*U.S. GPO: 1998-443-593/89152

CLAIMS ONLY

SERIAL NO.	FILING DATE
APPLICANT(S)	

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT			*		*		#	
	IND.	DEP.	IND.	DEP.	IND.	DEP.		IND.	DEP.	IND.	DEP.	IND.	DEP.
1							201						
2							202						
3							203						
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34							234						
35							235						
36							236						
37							237						
38							238						
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40							240						
41							241						
42							242						
43							243						
44							244						
45							245						
46							246						
47							247						
48							248						
49							249						
50							250						
TOTAL IND.		⇐		⇐		⇐	TOTAL IND.		⇐		⇐		⇐
TOTAL DEP.							TOTAL DEP.						
TOTAL CLAIMS							TOTAL CLAIMS						

MAY BE USED FOR ADDITIONAL CLAIMS OR AMENDMENTS

FORM PTO-2022 (1-98)

CLAIMS ONLY

SERIAL NO.			FILING DATE		
APPLICANT(S)					

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
251						
252						
253						
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300						
TOTAL IND.						
TOTAL DEP.						
TOTAL CLAIMS						

	7/28/02		4/14/03			
	IND.	DEP.	IND.	DEP.	IND.	DEP.
351						
352						
353						
354						
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11 337						
12 338						
13 339						
14 340						
15 341						
16 342						
17 343						
18 344						
19 345						
20 346						
21 347						
22 348						
23 349						
24 350	+					
TOTAL IND.						
TOTAL DEP.						
TOTAL CLAIMS						

*MAY BE USED FOR ADDITIONAL CLAIMS OR AMENDMENTS

CLAIMS ONLY

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT				*		*		*	
	IND.	DEP.	IND.	DEP.	IND.	DEP.			IND.	DEP.	IND.	DEP.	IND.	DEP.
1		1						51						
2		1						52						
3		1						53						
4	1							54						
5	1							55						
6	1							56						
7	1							57						
8	1							58						
9	1							59						
10	1							60						
11	1							61						
12	1							62						
13	1							63						
14	1							64						
15	1							65						
16	i							66						
17	i							67						
18	1							68						
19	1							69						
20	1							70						
21	1							71						
22	1							72						
23	1							73						
24	1							74						
25	1							75						
26	1							76						
27		1						77						
28		1						78						
29		1						79						
30								80						
31								81						
32								82						
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42								92						
43								93						
44								94						
45								95						
46								96						
47								97						
48								98						
49								99						
50								100						
TOTAL IND.	24							TOTAL IND.						
TOTAL DEP.	179							TOTAL DEP.						
TOTAL CLAIMS	203							TOTAL CLAIMS						

*MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

CLAIMS ONLY

SERIAL NO.	FILING DATE
0490542 9	

APPLICANT(S)

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT			*		*		*	
	IND.	DEP.	IND.	DEP.	IND.	DEP.		IND.	DEP.	IND.	DEP.	IND.	DEP.
1		1					51		1				
2		1					52		1				
3		1					53		1				
4		1					54		1				
5		1					55		1				
6		1					56		1				
7		1					57		1				
8		1					58		1				
9		1					59		1				
10		1					60		1				
11		1					61		1				
12		1					62		1				
13		1					63		1				
14		1					64		1				
15		1					65		1				
16		1					66		1				
17		1					67		1				
18		1					68		1				
19		1					69		1				
20		1					70		1				
21		1					71		1				
22		1					72		1				
23		1					73		1				
24		1					74		1				
25		1					75		1				
26		1					76		1				
27		1					77		1				
28		1					78		1				
29		1					79		1				
30		1					80		1				
31		1					81		1				
32		1					82		1				
33		1					83		1				
34		1					84		1				
35		1					85		1				
36		1					86		1				
37		1					87		1				
38		1					88		1				
39		1					89		1				
40		1					90		1				
41		1					91		1				
42		1					92		1				
43		1					93		1				
44		1					94		1				
45		1					95		1				
46		1					96		1				
47		1					97		1				
48		1					98		1				
49		1					99		1				
50		1					100		1				
TOTAL IND.	↓		↓		↓		TOTAL IND.	↓		↓		↓	
TOTAL DEP.							TOTAL DEP.						
TOTAL CLAIMS							TOTAL CLAIMS						

MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

FORM PTO-2022 (1-98)

CLAIMS ONLY

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT				*		*		*	
	IND.	DEP.	IND.	DEP.	IND.	DEP.			IND.	DEP.	IND.	DEP.	IND.	DEP.
1								51						
2								52						
3								53						
4								54						
5								55						
6								56						
7								57						
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14								64						
15								65						
16								66						
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23								73						
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25								75						
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27								77						
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31								81						
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37								87						
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42								92						
43								93						
44								94						
45								95						
46								96						
47								97						
48								98						
49								99						
50								100						
TOTAL IND.								TOTAL IND.						
TOTAL DEP.								TOTAL DEP.						
TOTAL CLAIMS								TOTAL CLAIMS						

MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

SERIAL NO.		FILING DATE
APPLICANT(S)		

CLAIMS

		7/28/00		4/14/03 AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT				7/28/00		*		*	
		IND.	DEP.	IND.	DEP.	IND.	DEP.			IND.	DEP.	IND.	DEP.	IND.	DEP.
1		+			=			401		+					
2								402			: :				
3								403							
4								404							
5								405							
6								406							
7								407							
8								408							
9								409							
10								410							
11								411							
12								412							
13								413							
14								414							
15								415							
16								416							
17								417							
18								418							
19								419							
20								420							
21								421							
22								422							
23								423							
24								424							
25								425							
26								426							
27								427							
28								428							
29								429							
30								430							
31								431							
32								432							
33								433							
34								434							
35								435							
36								436							
37								437							
38								438							
39								439							
40								440							. . .
41								441							
42								442							
43								443							
44								444							
45								445							
46								446							
47								447							
48								448							
49								449							
50		+						450		+					
TOTAL IND.			⇩		⇩		⇩	TOTAL IND.			⇩		⇩		⇩
TOTAL DEP.			⇦		⇦		⇦	TOTAL DEP.			⇦		⇦		⇦
TOTAL CLAIMS								TOTAL CLAIMS							

* MAY BE USED FOR ADDITIONAL CLAIMS OR AMENDMENTS

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

*U.S. Government Printing Office: 1998 - 433-214/70303

CLAIMS ONLY

SERIAL NO.		FILING DATE
APPLICANT(S)		

CLAIMS

	7/28/00		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
1	+					
2						
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50	+					
TOTAL IND.		⇩		⇩		⇩
TOTAL DEP.		⇦		⇦		⇦
TOTAL CLAIMS						

	*7/28/00		*		*	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
51	+					
52						
53						
54						
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94						
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96						
97						
98						
99						
100						
TOTAL IND.		⇩		⇩		⇩
TOTAL DEP.		⇦		⇦		⇦
TOTAL CLAIMS						

*MAY BE USED FOR ADDITIONAL CLAIMS OR AMENDMENTS

CLAIMS ONLY

SERIAL NO.		FILING DATE
APPLICANT(S)		

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT			☆		☆		☆	
	IND.	DEP.	IND.	DEP.	IND.	DEP.		IND.	DEP.	IND.	DEP.	IND.	DEP.
551							651						
552							652						
553							653						
554							654						
555							655						
556							656						
557							657						
558							658						
559							659						
5610							660						
511							661						
512							662						
513							663						
514							664						
515							665						
516							666						
517							667						
518							668						
519							669						
520							670						
571							671						
572							672						
573							673						
574							674						
575							675						
576							676						
577							677						
578							678						
579							679						
580							680						
581							681						
(582)							682						
583							683						
584							684						
585							685						
586							686						
587							687						
588							688						
589							689						
590							690						
591							691						
592							692						
593							693						
594							694						
595							695						
596							696						
597							697						
598							698						
599							699						
660							6400						
TOTAL IND.	⇓	⇐	⇓	⇐	⇓	⇐	TOTAL IND.	⇓	⇐	⇓	⇐	⇓	⇐
TOTAL DEP.							TOTAL DEP.						
TOTAL CLAIMS							TOTAL CLAIMS						

*MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

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CLAIMS ONLY

SERIAL NO.	FILING DATE
0990542 9	

APPLICANT(S)

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
1						
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TOTAL IND.						
TOTAL DEP.						
TOTAL CLAIMS						

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	IND.	DEP.	IND.	DEP.	IND.	DEP.
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TOTAL IND.						
TOTAL DEP.						
TOTAL CLAIMS						

*MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

FORM PTO-2022 (1-98)

CLAIMS ONLY

SERIAL NO.	FILING DATE
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APPLICANT(S)

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
1						
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50						
TOTAL IND.						
TOTAL DEP.						
TOTAL CLAIMS						

	*		*		*	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
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97						
98						
99						
100						
TOTAL IND.						
TOTAL DEP.						
TOTAL CLAIMS						

* MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS

FORM PTO-2022 (1-98)

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

*U.S. GPO: 1998-443-593/89152

CLAIMS ONLY

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT				*		*		*	
	IND.	DEP.	IND.	DEP.	IND.	DEP.			IND.	DEP.	IND.	DEP.	IND.	DEP.
1								51						
2								52						
3								53						
4								54						
5								55						
6								56						
7								57						
8								58						
9								59						
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16								66						
17								67						
18								68						
19								69						
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23								73						
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25								75						
26								76						
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29								79						
30								80						
31								81						
32								82						
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36								86						
37								87						
38								88						
39								89						
40								90						
41								91						
42								92						
43								93						
44								94						
45								95						
46								96						
47								97						
48								98						
49								99						
50								100						
TOTAL IND.								TOTAL IND.						
TOTAL DEP.								TOTAL DEP.						
TOTAL CLAIMS								TOTAL CLAIMS						

*MAY BE USED FOR ADDITIONAL CLAIMS OR ADMENDMENTS